



AUES



AL-FARABI  
KAZNU



# Local Chapter Activity Report – 2022

UNISEC–Global Local Chapter  
Empowerment Meeting (Kazakhstan)

## UNISEC–Kazakhstan

Nursultan Doszhan

January 2023

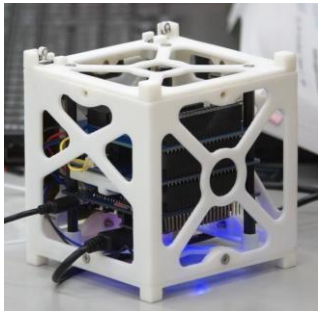
# Local Chapter Activities

- Established in 2022
- Participated in CLTP in 2022 (CLTP11)

CLTP 11 was organized in Nihon University(Chiba, Japan) and AOTS (Tokyo, Japan)

Preliminary online-Lectures: August 1-15, 2022

Date: August 18-31, 2022



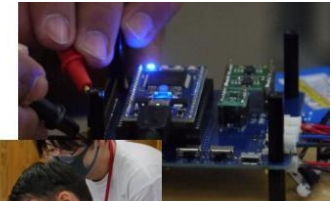
Toolkit:

**HEPTA-Sat (Hands-on Education Program for Technical Advancement)**

The training consists of a hands-on learning steps with CubeSat type classroom satellite kit.

Covered lab0-lab6

- Introduction
- Electrical subsystem
- Command & data handling subsystem
- Sensor subsystem
- Communication subsystem
- Structure subsystem



# Local Chapter Activities

- *Established in 2022*
- *Participated in CLTP in 2022 (CLTP11)*

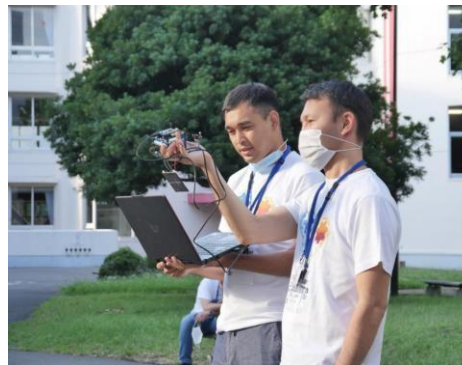
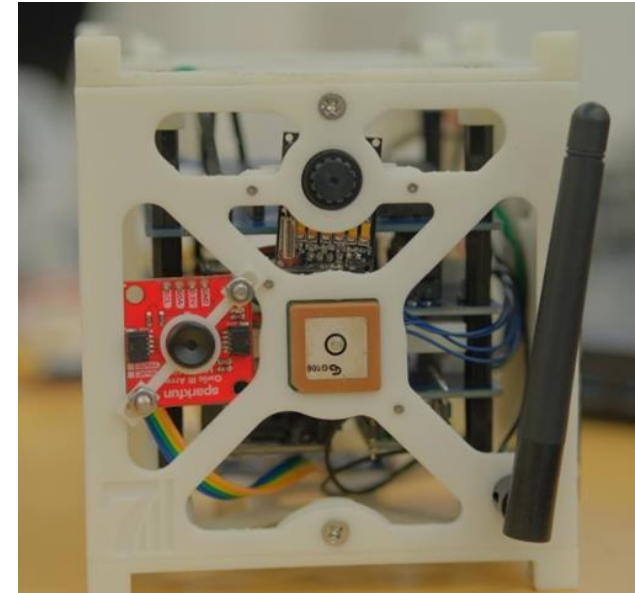
Day 5

Covered lab10

Model Rocket Launch with CanSat

First launch failed!

Second launch was successful and finally our rocket get 90 m altitude!





# UNISEC-Kazakhstan Activities

- *Organized international student competition  
Kazakhstan Smart Space March, 2022*



*Universities, specialized schools, colleges, private and public space technology organizations participated*

# UNISEC-Kazakhstan Activities

*-Participated in Space Open days in Kazakhstan, 2022*

Took part in an open day organized by the space company Ghalam LLP at the National Space Center. Ways of further cooperation were discussed.



# UNISEC-Kazakhstan Activities

- *Attended in rocket launch in Baikonur launch area, 2022*

*Students participated in monitoring the launch of the launch vehicle "Soyuz-2.1a" with the spacecraft "Soyuz MS-22".*





# UNISEC-Kazakhstan Activities

## Local Chapter Empowerment Program on Conference Management [ENUSE1]

- 8th UNISEC-Global Meeting,
- *11th Nano-Satellite Symposium,*
- *Preliminary Workshop for MIC8 (PreMIC8), in Istanbul, Turkey, 2022*



# Plan for 2023 and beyond

- CanSat competition between the domestic universities (2023, TBD)
- International Conference of young scientists – April 2023
- Space Days in Kazakhstan, April 2023
- UNISEC-Global virtual meetings(every month)



# Thank you for your attention!

Point of Contact: Zaure Rakisheva

Professor, Head of Mechanics Department  
Al-Farabi Kazakh National University

[zaure.rakisheva@kaznu.edu.kz](mailto:zaure.rakisheva@kaznu.edu.kz)

Nursultan Doszhan

Senior lecturer, Vice Dean on scientific-innovations  
work and international affairs  
Al-Farabi Kazakh National University

[nursultan.sagynaiuly@kaznu.edu.kz](mailto:nursultan.sagynaiuly@kaznu.edu.kz)

Facebook: Unisec Kazakhstan